

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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Operator: ILLINOIS GAS CO.	Operator ID#: 8030
Inspection Date(s): 1/21/2015, 1/22/2015	Man Days: 2
Inspection Unit: ILLINOIS GAS - Olney	
Location of Audit: Olney	
Exit Meeting Contact: Gary Compton	
Inspection Type: Standard Inspection Plan Review- O and M	
Pipeline Safety Representative(s): Aaron McElravy	
Company Representative to Receive Report: Brad Raley	
Company Representative's Email Address: bradr@ilgas.com	

Headquarters Address Information:	1927 Miller Drive Olney, IL 62450 Emergency Phone#: (618) 395-8588 Fax#:	
Official or Mayor's Name:	Roger Avery Phone#: (618) 395-8588 Email:	
Inspection Contact(s)	Title	Phone No.
Gary Compton	Compliance Manager	(618) 395-8588

REPORTING PROCEDURES		Status
[192.605(b) (4)][191.5]	Does the operator's procedure require Telephonic Notices of Incidents reported to the NRC (800-424-8802)?	Satisfactory
<u>General Comment:</u> Illinois Gas procedures for telephonic notices to the NRC are located in Section 5, C Page 3.		
[192.605(b) (4)][191.9(a)]	Does the operator's procedure require a DOT Incident Report Form 7100.1 submitted within 30 days after detection of an incident?	Satisfactory
<u>General Comment:</u> The procedures and requirements for filing the DOT Incident Report Form 7100.1 are located in Section 5, C Pages 2-3.		
[192.605(b) (4)][191.9(b)]	Does the operator's procedure require a supplemental incident report when deemed necessary? (Form F7100.1)	Satisfactory

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<u>General Comment:</u>		
The procedure for filing a supplemental report when significant changes occur is located in Section 5, C Page 3.		
[192.605(b) (4)][191.15(a)]	Does the operator's procedure require a DOT Incident Report Form 7100-2 submitted within 30 days after detection of an incident?	Not Applicable
<u>General Comment:</u>		
Illinois Gas does not operate or maintain transmission pipelines.		
[192.605(b) (4)][191.15(c)]	Does the operator's procedure require a supplemental incident report when deemed necessary? (Form F7100-2)	Not Applicable
<u>General Comment:</u>		
Illinois Gas does not operate or maintain transmission pipelines.		
[192.605(a)][191.25]	Does the operator's procedure require filing the SRCR within 5 days of determination, but not later than 10 days after discovery?	Satisfactory
<u>General Comment:</u>		
The procedures located in Section 5, D Pages 4-5 contain the requirements for filing the Safety Related Conditions Report. The procedures also include examples to assist personnel in determining what conditions require reporting.		
[192.605(d)][191.23]	Does the operator's procedure contain instructions to enable operation and maintenance personnel to recognize potential Safety Related Conditions?	Satisfactory
<u>General Comment:</u>		
The procedures located in Section 5, D Pages 4-5 contain the requirements for filing the Safety Related Conditions Report. The procedures also include examples to assist personnel in determining what conditions require reporting.		
[595.120.(a)]	Reports of Accidents: Does the operator have provisions for reporting accidents or damage to the ICC? (217-782-5050)	Satisfactory
<u>General Comment:</u>		
The procedures for reporting incidents and accidents to the ICC are located in Section 5, B Page 2.		
CUSTOMER NOTIFICATION AND EFV INSTALLATION PROCEDURES		Status
[192.13(c)][192.16]	Does the operator have procedures for notifying new customers, within 90 days, of their responsibility for those sections of service not maintained by the operator?	Satisfactory
<u>General Comment:</u>		
The procedure for notifying new customers within 90 days of their responsibility for customer owned buried piping is located in Section 3, F Page 4.		
[192.13(c)][192.381]	Does the operator's procedure require that when EFVs are installed on single family residents that shall at a minimum meet the performance requirements of §192.381?	Satisfactory

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<u>General Comment:</u>		
<i>The procedures for the installation of EFV's and their performance standards are located in Section 3, G Pages 5 and 10.</i>		
INSTALLATION OF TRANSMISSION & DISTRIBUTION MAIN PIPE		Status
[192.13(c)][192.319]	Does the operator's procedure contain specifications for installation of transmission line or main in a ditch?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for addressing support and backfill to minimize stress during installation are located in Section 16, C Pages 4-5.</i>		
[192.13(c)][192.321]	Does the operator's procedure contain specifications for installation of plastic pipe in the ditch including a means of locating pipe?	Satisfactory
<u>General Comment:</u>		
<i>The procedure for the installation of tracer wire for means of locating plastic pipe is located in Section 16, H Page 18.</i>		
[192.13(c)][192.323]	Does the operator's procedure contain casing requirements?	Satisfactory
<u>General Comment:</u>		
<i>The procedures detailing the requirements for casings are located in Section 16, D Page 5.</i>		
[192.13(c)][192.325]	Does the operator's procedure contain underground clearance specifications?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for pipeline cover and clearance are located in Section 16, B Pages 3-4.</i>		
[192.13(c)][192.327]	Does the operator's procedure specify the amount of cover required for various types of installations?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for pipeline cover and clearance are located in Section 16, B Pages 3-4.</i>		
[192.13(c)][192.321(g)]	Does the operator's procedure specify the time limitations for exposure to UV rays for PE pipe?	Satisfactory
<u>General Comment:</u>		
<i>The procedures addressing the exposure of plastic pipe to UV rays are located in Section 15, C Page 3.</i>		
SERVICE LINE INSTALLATION		Status
[192.13(c)][192.361]	Does the operator's procedure include service line installation standards such as depth?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for pipeline cover and clearance are located in Section 16, B Pages 3-4.</i>		
[192.13(c)][192.361]	Does the operator's procedure include service line installation standards such as support and backfill	Satisfactory
<u>General Comment:</u>		

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The procedures for backfilling and restoration are located in Section 16, C Page 4.

[192.13(c)][192.361]	Does the operator's procedure include service line installation standards such as protection against strain and loading	Satisfactory
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General Comment:

The procedures for pipeline cover and clearance are located in Section 16, B Pages 3-4. The procedures address additional protection to prevent damage from external loading.

[192.13(c)][192.361]	Does the operator's procedure include service line installation standards such as installation of service line into a building	Satisfactory
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General Comment:

The procedures located in Section 16, D Page 6 states Illinois Gas does not typically install service lines into buildings. In the event the line is installed the procedures detail the requirements in accordance with 192.361(e).

[192.13(c)][192.361]	Does the operator's procedure include service line installation standards such as installation of service line under a building	Satisfactory
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General Comment:

The procedures located in Section 12, D Page 6 indicate that service lines should not be installed under a building and if installed must be encased in a gas tight conduit.

[192.13(c)][192.365]	Does the operator's procedure address service line valve location?	Satisfactory
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General Comment:

The procedures for the location of service line valves are located in Section 12, D Page 6.

[192.13(c)][192.367]	Does the operator's procedure include specifications for service line connection to the main?	Satisfactory
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General Comment:

The procedure for the service line connection to the main is located in Section 16, Page 6. The procedure states service tees should be mounted on the top of the main.

CUSTOMER METERS AND REGULATORS		Status
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[192.13(c)][192.353]	Does the operator's procedure contain requirements for the location of meters and regulators?	Satisfactory
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General Comment:

The procedures for the location of meters and regulators are located in Section 12, D Pages 3-6.

[192.13(c)][192.355]	Does the operator's procedure contain provisions to protect customer's meters and regulators from damage?	Satisfactory
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General Comment:

The procedure for protecting meters and regulators from damage is located in Section 12, D Pages 5-6. The procedures address weather, stress and vehicle traffic.

[192.13(c)][192.357(a)]	Does the operator's procedure require each regulator and meter to be installed so as to minimize anticipated	Satisfactory
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	stresses upon the connecting piping and the meter?	
<u>General Comment:</u> <i>The procedure for protecting meters and regulators from damage is located in Section 12, D Pages 5-6. The procedures address weather, stress and vehicle traffic.</i>		
[192.13(c)][192.357(d)]	Does the operator's procedure require each regulator that might release gas in its operation to be vented to the outside atmosphere?	Satisfactory
<u>General Comment:</u> <i>The procedures requiring customer regulators to be vented to the outside atmosphere are located in Section 12, B Page 2.</i>		
NORMAL OPERATING AND MAINTENANCE PROCEDURES		Status
[192.605(a)]	Does the operator's procedure require the O&M Plan to be reviewed and updated at a minimum of 1 per year/15 months?	Satisfactory
<u>General Comment:</u> <i>The procedure that requires the review of the Operations and Maintenance Manual is located in Section 1, A Page 1.</i>		
Does the operator's procedure require the OQ Plan to be reviewed and updated in connection with the O&M Plan review at a minimum of 1 per year/15 months?		Yes
Do procedures clearly include the name of the reviewer and dates of reviews?		Yes
<u>General Comment:</u> <i>The Annual Review Form includes the Date, Completed By, Title, and Changes Made.</i>		
[192.605(a)][192.605(b)(3)]	Does the operator's procedure require making construction records, maps, and operating history available to appropriate operating personnel?	Satisfactory
<u>General Comment:</u> <i>The procedure located in Section 1, A Page 1 includes a statement that the O&M Manual and all maps and records of the system will be readily available for use by all operating personnel.</i>		
[192.605(a)][192.605(b)(5)]	Does the operator's procedure contain provisions for start up and shut down of a pipeline to assure operation within MAOP plus allowable buildup?	Satisfactory
<u>General Comment:</u> <i>The startup procedures for a total gas outage are located in Section 2, G Page 9 and includes the details for monitoring pressures to ensure overpressure does not occur.</i>		
[192.605(a)][192.605(b)(8)]	Does the operator's procedure contain provisions for periodically reviewing the work done by operator's personnel to determine the effectiveness and adequacy of the procedures used in normal operation and maintenance and modifying the procedures when deficiencies are found?	Satisfactory
<u>General Comment:</u> <i>The procedure for periodically reviewing personnel's work to determine if normal operating procedures are adequate is located in Section 1, A Page 1.</i>		

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[192.605(a)][192.605(b)(9)]	Does the operator's procedure contain provisions taking for adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapors or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathing apparatus and a rescue harness and line? If not, then does the plan include prohibiting personnel from entering excavated trenches that may be hazardous?	Satisfactory
<u>General Comment:</u> <i>The Operations and Maintenance Manual Section 16, A Page 3 states employees shall never enter a trench or bell hole when a gaseous atmosphere is present.</i>		
ABNORMAL OPERATING PROCEDURES FOR TRANSMISSION		Status
<u>Category Comment:</u> <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(a)][192.605(c)(1)(i)]	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of unintended closure of valves or shut downs?	Not Applicable
[192.605(a)][192.605(c)(1)(ii)]	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of increase or decrease in pressure or flow rate outside of normal operating limits?	Not Applicable
[192.605(a)][192.605(c)(1)(iii)]	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of loss of communications?	Not Applicable
[192.605(a)][192.605(c)(1)(iv)]	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of the operation of any safety device?	Not Applicable
[192.605(a)][192.605(c)(1)(v)]	Does the operator's procedure contain provisions for responding to, investigating, and correcting the cause of any other foreseeable malfunction of a component, deviation from normal operations or personnel error?	Not Applicable
[192.605(a)][192.605(c)(2)]	Does the operator's procedure contain provisions for checking variations from normal operation after abnormal operations ended at sufficient critical locations?	Not Applicable
[192.605(a)][192.605(c)(3)]	Does the operator's procedure contain provisions for notifying the responsible operating personnel when notice of an abnormal operation is received?	Not Applicable
[192.605(a)][192.605(c)(4)]	Does the operator's procedure contain provisions for periodically reviewing the response of operating personnel to determine the effectiveness of the procedures and taking corrective action where deficiencies are found?	Not Applicable

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CHANGE IN CLASS LOCATION PROCEDURES		Status
[192.605(b) (1)][192.609]	Does the operator's procedure contain provisions for conducting a class location survey whenever an increase in populations density indicates a change in class location or a segment of an existing steel pipeline operating at a hoop stress that is more than 40 percent of SMYS, or indicates that the hoop stress corresponding to the established MAOP for a segment of existing pipeline is not commensurate with the present class location?	Not Applicable
General Comment: Illinois Gas does operate pipelines at or above 40% SMYS.		
[192.605(b) (1)][192.611]	In the event a change in class location becomes necessary does the manual contain procedures for confirmation or revision of the MAOP?	Satisfactory
General Comment: The procedures for class location and reduction of the MAOP if needed are located in Section 6, B Page 3.		
CONTINUING SURVEILLANCE PROCEDURES		Status
[192.613(a)]	Does the operator's procedure include requirements for continuing surveillance of facilities to determine and take appropriate action concerning class location changes, failures, leak history, corrosion, cathodic protection requirements, and other unusual operating conditions?	Satisfactory
General Comment: The procedures for Continuing Surveillance are located in Section 11, C Pages 3-4 and includes the periodic review of patrols, leakage surveys, valve inspections, pressure limiting and regulating equipment, corrosion control inspections and facility failures.		
[192.613(a)][192.613(b)]	Does the operator's procedure include requirements for reducing the MAOP, or other actions to be taken, if a segment of pipeline is in unsatisfactory condition?	Satisfactory
General Comment: The procedure requiring repair, replacement and reduction of the MAOP is located in Section 11, C Page 4.		
[192.613(a)][192.459]	Does operator have procedures for determining if exposed cast iron was examined for evidence of graphitization and, if necessary, were remedial actions taken?	Not Applicable
General Comment: Illinois Gas distribution system does not contain cast iron pipelines.		
[192.613(a)][192.489]	Does the operator's procedure include requirements for surveillance of cast iron pipelines, including appropriate action resulting from tracking circumferential cracking failures, study of leak history,	Not Applicable

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	or any other unusual operating maintenance conditions?	
<u>General Comment:</u> Illinois Gas distribution system does not contain cast iron pipelines.		
DAMAGE PREVENTION PROGRAM PROCEDURES		Status
[192.605(a)][192.614(c)(1)]	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- identifies persons who engage in excavating?	Satisfactory
<u>General Comment:</u> The damage prevention procedures are located in Section 3, Pages 2-5 and includes Excavator Listing and Notification, General Public Notification, One Call and Response, Pipeline Inspection / Repair Reporting and Pipeline Markers.		
[192.605(a)][192.614(c)(2)]	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides notification to the public in the One Call area?	Satisfactory
<u>General Comment:</u> The damage prevention procedures are located in Section 3, Pages 2-5 and includes Excavator Listing and Notification, General Public Notification, One Call and Response, Pipeline Inspection / Repair Reporting and Pipeline Markers.		
[192.605(a)][192.614(c)(3)]	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides means for receiving and recording notifications of pending excavations?	Satisfactory
<u>General Comment:</u> The damage prevention procedures are located in Section 3, Pages 2-5 and includes Excavator Listing and Notification, General Public Notification, One Call and Response, Pipeline Inspection / Repair Reporting and Pipeline Markers.		
[192.605(a)][192.614(c)(4)]	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides notification of pending excavations to the members?	Satisfactory
<u>General Comment:</u> The damage prevention procedures are located in Section 3, Pages 2-5 and includes Excavator Listing and Notification, General Public Notification, One Call and Response, Pipeline Inspection / Repair Reporting and Pipeline Markers.		
[192.605(a)][192.614(c)(5)]	Does the operator's procedure require participation in a qualified one-call program, or if available, a company program that complies with the following- provides means of temporary marking for the pipeline in the vicinity of the excavations?	Satisfactory
<u>General Comment:</u> The damage prevention procedures are located in Section 3, Pages 2-5 and includes Excavator Listing and Notification, General Public Notification, One Call and Response, Pipeline Inspection / Repair Reporting and Pipeline Markers.		
[192.605(a)][192.614(c)(6)(i)]	Does the operator's procedure provide for follow-up	Satisfactory

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	inspection of the pipeline where there is reason to believe the pipeline could be damaged- Inspection must be done to verify integrity of the pipeline?	
<u>General Comment:</u> <i>The procedures for pipeline repair and reporting are located in Section 3, D Page 3 and include steps if there is reason to believe the pipeline has been damaged.</i>		
[192.605(a)][192.614(c)(6)(ii)]	Does the operator's procedure provide for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged- After blasting, a leak survey must be conducted as part of the inspection by the operator?	Satisfactory
<u>General Comment:</u> <i>The procedure requiring a leakage surveys conducted after any blasting is located in Section 13, B Page 2.</i>		
Has the Operator adopted the applicable Common Ground Alliance Best Practices?		No
Does the operator have adequate directional drilling/boring procedures to determine effective actions to protect their underground facilities from the dangers posed by directional drilling and other trenchless technology? A pipeline operator's damage prevention program shall include actions to protect their facilities when directional drilling operations are conducted in proximity to the pipeline. These procedures should include, but are not limited to, accurately locating underground piping and reviewing personnel qualifications?		Yes
<u>General Comment:</u> <i>The boring procedures located in Section 16, J Pages 22-24 include methods used, damage prevention measures, protection for existing gas facilities, planning, alignment, obstructions, cathodic protection coatings and inspection.</i>		
[IL ADM. CO.265.100(b)]	Does the operator have procedures to report third party damage to mains, when a release of gas occurs, reported to ICC JULIE Enforcement?	Satisfactory
<u>General Comment:</u> <i>The procedures for reporting damage to mains causing a release of gas to ICC JULIE Enforcement are located in Section 3, D Pages 3-4.</i>		
EMERGENCY PROCEDURES		Status
[192.615(a)(1)]	Does the operator have procedures for receiving, identifying, and classifying notices of events, such as, gas odor inside or near a building?	Satisfactory
<u>General Comment:</u> <i>The procedure for receiving and classifying complaints regarding gas odor is located in Section 2, I Pages 10-11.</i>		
[192.615(a)(2)]	Does the operator have procedures for establishing and maintaining communication with appropriate public officials regarding possible emergency?	Satisfactory
<u>General Comment:</u> <i>The procedures for maintaining liaison with appropriate public officials are located in Section 2, C Page 6.</i>		

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[192.615(a)(3)(i)]	Does the operator have procedures for prompt response to gas detected inside or near a building?	Satisfactory
<u>General Comment:</u> <i>The procedures located in Section 2, I and J Pages 10-15 include the steps to be taken for gas detected inside or near a building.</i>		
[192.615(a)(3)(ii)]	Does the operator have procedures for prompt response to a fire located near a pipeline?	Satisfactory
<u>General Comment:</u> <i>The procedures for prompt response for fires involving or threatening pipeline facilities are located in Section 2, M Pages 16-17.</i>		
[192.615(a)(3)(iii)]	Does the operator have procedures for prompt response to an explosion near a pipeline?	Satisfactory
<u>General Comment:</u> <i>The procedures for the prompt response due to an explosion are located in Section 2, N Page 17.</i>		
[192.615(a)(3)(iv)]	Does the operator have procedures for prompt response to natural disasters?	Satisfactory
<u>General Comment:</u> <i>The procedures for the prompt response regarding natural disasters including earthquakes, flooding, tornadoes and damaging winds are located in Section 2, O Pages 17-19.</i>		
[192.615(a)(4)]	Does the operator have procedures for the availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency?	Satisfactory
<u>General Comment:</u> <i>The procedures for the coordination of maps, records, tools, equipment and communication are located in Section 2, C Page 6.</i>		
[192.615(a)(5)]	Does the operator have procedures for actions directed towards protecting people first, then property?	Satisfactory
<u>General Comment:</u> <i>The statement regarding protecting people first then property is located in Section 2, C Page 6.</i>		
[192.615(a)(6)]	Does the operator have procedures for emergency shutdown or pressure reduction to minimize hazards to life or property?	Satisfactory
<u>General Comment:</u> <i>The procedure for emergency shutdown is located in Section 2, C Pages 6-7 and includes shutting main line valves if necessary.</i>		
[192.615(a)(7)]	Does the operator have procedures to require making safe any actual or potential hazard to life or property?	Satisfactory
<u>General Comment:</u> <i>The procedures for leak investigation located in Section 2, J Pages 11-15 provides step for making the situation safe for any potential or actual hazard to life or property.</i>		
[192.615(a)(8)]	Does the operator have procedures requiring the notification of appropriate public officials required at the emergency scene and coordinating planned and	Satisfactory

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	actual responses with these officials?	
<u>General Comment:</u> <i>The procedures designating responsible parties notify appropriate public officials and coordination of response are located in Section 2, C Page 6.</i>		
[192.615(a)(9)]	Does the operator have procedures for restoring service outages after the emergency has been rendered safe?	Satisfactory
<u>General Comment:</u> <i>The procedures for emergency turn on turn off are located in Section 2, G Pages 9-10 and includes restoration of service once the emergency has been rendered safe.</i>		
[192.615(a)(10)]	Does the operator have procedures for investigating accidents and failures as soon as possible after the emergency?	Satisfactory
<u>General Comment:</u> <i>The procedures located in Section 2, A Page 3 includes follow up after an emergency to determine if procedures were followed and if additional procedures or modifications need to occur. The incident and post emergency investigation procedures are located in Section 5, E Pages 5-6.</i>		
[192.615(b)(1)]	Does the operator have procedures for furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action?	Satisfactory
<u>General Comment:</u> <i>The procedure for providing the emergency plan to personnel who are engaged in emergency action is located in Section 2, A Page 3.</i>		
[192.615(b)(2)]	Does the operator have procedures for training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training?	Satisfactory
<u>General Comment:</u> <i>The procedure for training personnel concerning all aspects of the emergency plan is located in Section 2, A Page 3.</i>		
[192.615(b)(3)]	Does the operator have procedures for reviewing employee activities to determine whether the procedures were effectively followed in each emergency?	Satisfactory
<u>General Comment:</u> <i>The procedures for emergency follow up to determine if procedures were followed during an emergency are located in Section 2, A Page 3.</i>		
[192.615(c)]	Does the operator have procedures to establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies?	Satisfactory
<u>General Comment:</u> <i>The procedure for establishing and maintaining liaison with the appropriate public officials to understand their role in an emergency is located in Section 2, C Pages 6-8.</i>		

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Does the operator have procedures for leaks caused by excavation damage near buildings and determine whether the procedures adequately address the possibility of multiple leaks and underground migration of gas into nearby buildings?		Yes
<u>General Comment:</u> <i>The procedures for possible gas migration due to third party damage are located in Section 2, K Pages 15-16.</i>		
FAILURE INVESTIGATION PROCEDURES		Status
[192.617]	Does the operator have procedures for analyzing accidents and failures, including laboratory analysis where appropriate, to determine cause and prevention of recurrence?	Satisfactory
<u>General Comment:</u> <i>The procedures for failure investigations are located in Section 5, E Pages 5-6 Incident and Post Emergency Investigation.</i>		
MAOP PROCEDURES		Status
[192.605(b) (1)][192.621]	Does the operator have procedures for establishing the MAOP for High Pressure Distribution Systems?	Satisfactory
<u>General Comment:</u> <i>The procedures for MAOP determination are located in Section 6, A Page 2.</i>		
[192.605(b) (1)][192.623]	Does the operator have procedures for establishing the Minimum and Maximum Allowable Operating Pressure Low Pressure Distribution Systems?	Satisfactory
<u>General Comment:</u> <i>The procedures for MAOP determination are located in Section 6, A Page 2.</i>		
[192.605(b) (1)][192.619(a)(1)]	Is MAOP determined by design and test? or	Satisfactory
<u>General Comment:</u> <i>The MAOP was determined by design and test.</i>		
[192.605(b) (1)][192.619(a)(2)]	Does the operator have procedures requiring the MAOP to be determined by test pressure divided by applicable factor?	Satisfactory
<u>General Comment:</u> <i>The procedures for MAOP determination are located in Section 6, A Page 2.</i>		
[192.605(b) (1)][192.619(a)(3)]	Does the operator have procedures requiring the MAOP to be determined by highest operating pressure to which the segment of line was subjected between July 1, 1965 and July 1, 1970?	Satisfactory
<u>General Comment:</u> <i>The procedures for MAOP determination are located in Section 6, A Page 2.</i>		
[192.605(b) (1)][192.619(a)(4)]	Does the operator have procedures requiring the	Satisfactory

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	MAOP to be determined by the maximum safe pressure determined by operator?	
<u>General Comment:</u> <i>The procedures for MAOP determination are located in Section 6, A Page 2.</i>		
[192.605(b) (1)][192.619(b)]	Does the operator have procedures requiring overpressure devices be installed if .619 (a) (4) is applicable?	Satisfactory
<u>General Comment:</u> <i>The procedures for overpressure protection are located in Section 10, A Page 2.</i>		
[192.605(b) (5)]	Does the operator have procedures for start up and shut down within MAOP of the pipeline?	Satisfactory
<u>General Comment:</u> <i>The procedures for start up and shut down are located in Section 2, G Page 9.</i>		
Does the operator install pipelines to operate under alternative MAOP requirements?		No
[192.605(b) (1)][192.620(b) (4)]	If yes, does the operator have procedures to require the additional construction requirements included under 192.328?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not utilize the alternative method to determine MAOP.</i>		
[192.13(c)][192.328(b)]	If yes, does the operator have procedures requiring all girth welds to be non-destructively tested in accordance with 192.243 (b) and (c)?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not utilize the alternative method to determine MAOP.</i>		
PRESSURE TEST PROCEDURES		Status
[192.13(c)]	Does the plan allow for the use of pre-tested pipe for repairs?	Satisfactory
<u>General Comment:</u> <i>The O&M plan allows for the use of pre-tested pipe. Section 6, F Page 5.</i>		
[192.13(c)][192.503(a)(1)]	Does the operator's procedure prohibit operating a new segment of pipeline, or return to service a segment of pipeline that has been relocated or replaced, until it is pressure tested in accordance with this subpart and §192.619 to substantiate the maximum allowable operating pressure; and	Satisfactory
<u>General Comment:</u> <i>The procedures for pressure testing relocated or replaced pipeline segments are located in Section 6, D Page 3.</i>		

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

[192.13(c)][192.503(a)(2)]	Does the operator's procedure prohibit operating a new segment of pipeline, or return to service a segment of pipeline that has been relocated or replaced, until all potentially hazardous leaks have been located and eliminated?	Satisfactory
General Comment: <i>The procedures for pressure testing new, relocated or replaced segments are located in Section 6, D Page 3.</i>		
[192.13(c)][192.503(b)(1), 192.503(b)(2), 192.503(b)(3)]	Does the operator's procedure indicate that, for a new segment of pipeline, or a segment of pipeline that has been relocated or replaced, the pressure test medium must be liquid, air, natural gas, or inert gas that is compatible with the material of which the pipeline is constructed, relatively free of sedimentary materials, and except for natural gas, nonflammable?	Satisfactory
General Comment: <i>The procedure which indicates the test medium requirements is located in Section 6, D Page 3.</i>		
[192.13(c)][192.503(d)]	Does the operator's procedure indicate that each joint used to tie in a test segment of pipeline is excepted from the specific test requirements of this subpart, but each non-welded joint must be leak tested at not less than its operating pressure?	Satisfactory
General Comment: <i>The procedure for testing final tie-in joints is located in Section 6, D Page 4.</i>		
[192.13(c)][192.505(a)]	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of SMYS or more which are based on class location?	Not Applicable
General Comment: <i>Illinois Gas does not operate pipelines at or above 30% SMYS.</i>		
[192.13(c)][192.505(c)]	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of SMYS or more to be tested at or above the required test pressure for at least 8 hour?	Not Applicable
General Comment: <i>Illinois Gas does not operate pipelines at or above 30% SMYS.</i>		
[192.13(c)][192.505(d)]	Except for service lines, Does the operator's procedure include requirements for strength testing of pipe to operate at a hoop stress of 30% of SMYSs or more for replacement components if not certified by manufacturer?	Not Applicable
General Comment:		

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Illinois Gas does not operate pipelines at or above 30% SMYS.		
[192.13(c)][192.505(e)]	Except for service lines, Does the operator's procedure include requirements for fabricated units and short sections of pipe which operates at a hoop stress of 30% or more of SMYS and for which a post installation test is impractical, that a pre-installation strength test must be conducted by maintaining the pressure for at least 4 hours?	Not Applicable
General Comment: Illinois Gas does not operate pipelines at or above 30% SMYS.		
[192.13(c)][192.507]	Does the operator's procedure include requirements for testing pipelines, which operate at a hoop stress less than 30% of SMYS and at or above 100 psig?	Satisfactory
General Comment: The procedures for pressure testing are located in Section 6, D Pages 3-5.		
[192.13(c)][192.509(b)]	Does the operator's procedure include requirements for testing steel main which operate below 100 psig at a minimum of 10 psig for main that operates below 1 psig and for each steel main to operate below 100 psig test to a minimum of 90 psig for main that operates over 1 psig?	Satisfactory
General Comment: The procedures for pressure testing are located in Section 6, D Pages 3-5.		
[192.13(c)][192.511(b)]	Does the operator's procedure include test requirements for service lines other than plastic which specify minimum test pressure as follows: 50 psig if the line operates over 40 psig?	Satisfactory
General Comment: The procedures for pressure testing are located in Section 6, D Pages 3-5.		
[192.13(c)][192.511(c)]	Does the operator's procedure include test requirements for service lines other than plastic which specify minimum test pressure of 90 psig if the line operates over 40 psig, unless the service line is stressed to 20% or more SMYS then testing must be conducted in accordance with 192.507?	Satisfactory
General Comment: The procedures for pressure testing are located in Section 6, D Pages 3-5.		
[192.13(c)][192.513(b)]	Does the operator's procedure insure discovery of all potentially hazardous leaks in the segment being tested?	Satisfactory

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<u>General Comment:</u> <i>The procedures for pressure testing are located in Section 6, D Pages 3-5.</i>		
[192.13(c)][192.513(c)]	Does the operator's procedure include test requirements for plastic pipelines of 150% of MOP or 50 psig whichever is greater?	Satisfactory
<u>General Comment:</u> <i>The procedures for pressure testing are located in Section 6, D Pages 3-5.</i>		
[191.13(c)][192.513(d)]	Does the operator's procedures require that when testing thermoplastic material the temperature may not be more than 100 F or the temperature at which the material's long-term hydrostatic strength has been determined under the listed specification, whichever is greater?	Satisfactory
<u>General Comment:</u> <i>The procedures for pressure testing are located in Section 6, D Pages 3-5.</i>		
[192.13(c)][192.517(a)(1)]	Does the plan require test records for pipelines that operate over 100 psig that include: Operators name, responsible employee's name, name of testing company?	Satisfactory
<u>General Comment:</u> <i>The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.</i>		
[192.13(c)][192.517(a)(2)]	Does the plan require test records for pipelines that operate over 100 psig that include test medium?	Satisfactory
<u>General Comment:</u> <i>The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.</i>		
[192.13(c)][192.517(a)(3)]	Does the plan require test records for pipelines that operate over 100 psig that include test pressure?	Satisfactory
<u>General Comment:</u> <i>The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.</i>		
[192.13(c)][192.517(a)(4)]	Does the plan require test records for pipelines that operate over 100 psig that include test duration?	Satisfactory
<u>General Comment:</u> <i>The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.</i>		
[192.13(c)][192.517(a)(5)]	Does the plan require test records for pipelines that operate over 100 psig that include pressure recording charts of readings?	Satisfactory
<u>General Comment:</u>		

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.

[192.13(c)][192.517(a)(7)]	Does the plan require test records for pipelines that operate over 100 psig that include leaks and failures noted?	Satisfactory
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General Comment:

The procedures for the retention of pressure test records are located in Section 6, E Page 5 and includes the operator' name, employee responsible, test medium, pressure test records, duration and failures noted of the test. All pressure tests conducted are kept for the life of the system.

ODORIZATION of GAS PROCEDURES		Status
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[192.605(b) (1)][192.625(a)]	Does the operator's procedure include a requirement that distribution lines must contain odorized gas?	Satisfactory
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General Comment:

The procedure requiring odorization of the distribution system is located in Section 7, A Page 2.

[192.605(b) (1)][192.625(b)]	Does the operator's procedure require odorized gas in Class 3 or 4 locations (if applicable)?	Not Applicable
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General Comment:

Illinois Gas does not operate or maintain transmission pipelines.

[192.605(b) (1)][192.625(f)]	Does the operator's procedure require periodic gas sampling, using an instrument capable of determining the percentage of gas in air at which the odor becomes readily detectable?	Satisfactory
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General Comment:

The procedures for odorization are located in Section 7 Pages 2-5 and includes requirements for conducting sampling to determine the percentage when gas is readily detectable.

TAPPING PIPELINES UNDER PRESSURE PROCEDURES		Status
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[192.605(b) (1)][192.627]	Does the plan provide for adequate tapping procedures for pipelines under pressure?	Satisfactory
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General Comment:

The procedures for line tapping are located in Section 16, E Pages 9-12.

[192.605(b) (1)][192.627]	Does the operator's procedure require that hot taps be made by a qualified crew?	Satisfactory
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General Comment:

The procedures for line tapping are located in Section 16, E Pages 9-12.

PIPELINE PURGING PROCEDURES		Status
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[192.605(b) (1)][192.629(a)]	Do the operator's procedures require that purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline lines containing air must be properly purged?	Satisfactory
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General Comment:

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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<i>The procedures for purging pipelines containing air are located in Section 14, C Pages 5-6.</i>		
[192.605(b) (1)][192.629(b)]	Do the operator's procedures require that purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline lines containing gas must be properly purged?	Satisfactory
<u>General Comment:</u> <i>The procedures for purging pipelines containing natural gas are located in Section 14, D Pages 6-7.</i>		
MAINTENANCE PROCEDURES		Status
[192.605(a)][192.703(b)]	Does the operator's procedure require that each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from service?	Satisfactory
<u>General Comment:</u> <i>The procedures for the repair and replacement of pipelines are located in Section 15, A Page 2.</i>		
[192.605(a)][192.703(c)]	Does the operator's procedure require that hazardous leaks must be repaired promptly?	Satisfactory
<u>General Comment:</u> <i>The procedure that requires hazardous leaks to be repaired promptly is located in Section 15, A Page 2. The leak classification guidelines are located in Section 13, Pages 11-13.</i>		
TRANSMISSION LINES - PATROLLING & LEAKAGE SURVEY PROCEDURES		Status
<u>Category Comment:</u> <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (1)][192.705(a)]	Does the operator's procedure require patrolling of surface conditions on and adjacent to transmission line right of way for indications of leak, construction activities, and other factors affecting safety and operations?	Not Applicable
[192.605(b) (1)][192.705(b)]	Does the operator's procedure require that the frequency of patrols is to be determined by the size of the line, the operating pressures, the class location, terrain, weather, and other relevant factors, but intervals between patrols may not be longer than prescribed in .705(b)?	Not Applicable
[192.605(b) (1)][192.706]	Does the operator's procedure require leakage surveys at a minimum of 1 year/15 months	Not Applicable
[192.605(b) (1)][192.706(a)]	Does the operator's procedure include leak detector equipment survey requirements for transmission lines transporting un-odorized gas in Class 3 locations 7½ months but at least twice each calendar year?	Not Applicable
[192.605(b) (1)][192.706(b)]	Does the operator's procedure include leak detector equipment survey requirements for lines transporting un-odorized gas in Class 4 locations - 4½ months but	Not Applicable

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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	at least 4 times each calendar year?	
DISTRIBUTION SYSTEM PATROLLING & LEAKAGE SURVEY PROCEDURES		Status
[192.605(b) (1)][192.721(a)]	Does the operator's procedure require the frequency of patrolling mains to be determined by the severity of the conditions which could cause failure or leakage?	Satisfactory
<u>General Comment:</u> <i>The procedures for the frequency of patrols due to the severity of conditions which could cause failure or leakage are located in Section 11, B Pages 2-4.</i>		
[192.605(b) (1)][192.721(b)(1)]	Does the operator's procedure require that mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage must be patrolled in business districts at intervals not exceeding 4½ months, but at least four times each calendar year? and	Satisfactory
<u>General Comment:</u> <i>The procedures detailing the intervals between patrols are located in Section 11, B Page 2.</i>		
[192.605(b) (1)][192.721(b)(2)]	Does the operator's procedure require that mains in places or on structures where anticipated physical movement or external loading could cause failure or leakage must be patrolled outside business districts at intervals not exceeding 7½ months, but at least twice each calendar year?	Satisfactory
<u>General Comment:</u> <i>The procedures detailing the intervals between patrols are located in Section 11, B Page 2.</i>		
[192.605(b) (1)][192.723(b)(1)]	Does the operator's procedure require periodic leak surveys determined by the nature of the operations and conditions, and be performed with leak detector equipment in business districts as specified, 1/yr (15 months)?	Satisfactory
<u>General Comment:</u> <i>The procedures for the required time intervals between leakage surveys in business districts are located in Section 13, B Page 2.</i>		
[192.605(b) (1)][192.723(b)(2)]	Does the operator's procedure require periodic leak surveys determined by the nature of the operations and conditions, and be performed with leak detector equipment outside of business districts as specified, once every 5 calendar years/63 mos.; for unprotected lines subject to .465(e) where electrical surveys are impractical, once every 3 years/39 mos.	Satisfactory
<u>General Comment:</u> <i>The procedures for the required time intervals between leakage surveys outside of business districts are located in Section 13, B Page 2.</i>		
LINE MARKER PROCEDURES		Status

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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[192.605(b) (1)][192.707]	Does the operator's procedure require that line markers be installed and labeled as required?	Satisfactory
<u>General Comment:</u> <i>The procedures for pipeline markers are located in Section 3, E Page 4 and includes the appropriate location for placement and labeling requirements.</i>		
TRANSMISSION RECORD KEEPING PROCEDURES		Status
<u>Category Comment:</u> <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (1)][192.709(a)]	Does the operator's procedure require that records must be maintained on repairs to the pipe for the life of the system?	Not Applicable
[192.605(b) (1)][192.709(b)]	Does the operator's procedure require that records must be maintained on repairs to "other than pipe" for 5 years?	Not Applicable
[192.605(b) (1)][192.709(c)]	Does the operator's procedure require that records must be maintained for Operation (Sub L) and Maintenance (Sub M) patrols, surveys, tests for 5 years or until next completion of the next inspection cycle?	Not Applicable
TRANSMISSION FIELD REPAIR PROCEDURES		Status
<u>Category Comment:</u> <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (1)][192.713(a)(1)]	Does the operator's procedure require that each imperfection or damage that impairs the serviceability of pipe in a steel transmission line operating at or above 40 percent of SMYS must be removed by cutting out and replacing a cylindrical piece of pipe; OR must be repaired by a method that reliable engineering tests and analyses show can permanently restore the serviceability of the pipe?	Not Applicable
[192.605(b) (1)][192.713(b)]	Does the operator's procedure require that the operating pressure must be at a safe level during repair operations?	Not Applicable
[192.605(b) (1)][192.715(a)]	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 if the segment of transmission line is taken out of service?	Not Applicable
[192.605(b) (1)][192.715(b)(1)]	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of	Not Applicable

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	transmission line is in service if the weld is not leaking?	
[192.605(b) (1)][192.715(b)(2)]	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of transmission line is in service if the pressure is reduced to produce a stress that is 20% of SMYS?	Not Applicable
[192.605(b) (1)][192.715(b)(3)]	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) must be repaired in accordance with the applicable requirements of §192.245 while the segment of transmission line is in service if the grinding is limited so that 1/8 inch thickness of pipe weld remains?	Not Applicable
[192.605(b) (1)][192.715(c)]	Does the operator's procedure require that each weld that is unacceptable under §192.241(c) and cannot be repaired in accordance with .715(a) or .715(b) then a full encirclement welded split sleeve of appropriate design must be installed?	Not Applicable
[192.605(b) (1)][192.717(a)]	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by removing the leak by cutting out and replacing a cylindrical piece of pipe? OR	Not Applicable
[192.605(b) (1)][192.717(b)(1)]	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by installing a full encirclement welded split sleeve of appropriate design, unless the transmission line is joined by mechanical couplings and operates at less than 40 percent of SMYS? OR	Not Applicable
[192.605(b) (1)][192.717(b)(2)]	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made by installing a properly designed bolt-on-leak clamp if the leak is due to a corrosion pit? OR	Not Applicable
[192.605(b) (1)][192.717(b)(3)]	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made if the leak is due to a corrosion pit and on pipe of not more than 40,000 psi (267 Mpa) SMYS, fillet weld over the pitted area a steel plate patch with rounded corners, of the same or greater thickness than the pipe, and not more than one-half of the diameter of the pipe in size? OR	Not Applicable

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

[192.605(b) (1)][192.717(b)(4)]	Do the operator's procedures require that each permanent field repair of a leak on a transmission line must be made if the leak is on a submerged pipeline in inland navigable waters, mechanically apply a full encirclement split sleeve of appropriate design? OR	Not Applicable
[192.605(b) (1)][192.717(b)(5)]	Does the operator's procedure require that each permanent field repair of a leak on a transmission line must be made by applying a method that reliable engineering tests and analyses show can permanently restore the serviceability of the pipe?	Not Applicable
[192.605(b) (1)][192.719(a)]	Does the operator's procedure require that replacement pipe must be pressure tested to meet the requirements of a new pipeline?	Not Applicable
[192.605(b) (1)][192.719(b)]	Does the operator's procedure require that for lines of 6-inch diameter or larger and that operate at 20% of more of SMYS, the repair must be nondestructively tested in accordance with §192.241(c)?	Not Applicable
TEST REQUIREMENTS FOR REINSTATING SERVICE LINES		Status
[192.605(b) (1)][192.725(a)]	Does the operator's procedure require that disconnected service lines must be tested the same as a new service line?	Satisfactory
<u>General Comment:</u> <i>The procedures for testing disconnected service lines are located in Section 6, D Pages 3-5 and include testing temporarily abandoned mains and services lines under the same requirements as newly installed piping before re-instatement.</i>		
[192.605(b) (1)][192.725(b)]	Does the operator's procedure require that service lines that are temporarily disconnected must be tested from the point of disconnection, the same as a new service line, before reconnect?	Satisfactory
<u>General Comment:</u> <i>The procedures located Section 6, D Page 4 state if a service line has been disconnected the service line shall be tested from the point of disconnection to the riser.</i>		
ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES		Status
[192.605(b) (1)][192.727(b)]	Does the operator's procedure require disconnecting both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained?	Satisfactory
<u>General Comment:</u> <i>The procedures for the abandonment of service lines are located in Section 14, F Pages 7-8.</i>		
[192.605(b) (1)][192.727(c)]	Does the operator's procedure require that, except for service lines, each inactive pipeline that is not being	Satisfactory

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	maintained under Part 192 must be disconnected from all gas sources/supplies, purged, and sealed at each end?	
<u>General Comment:</u> <i>The procedures for the abandonment of mains lines are located in Section 14, G Page 8.</i>		
[192.605(b) (1)][192.727(d)(1)]	Does the operator's procedure require that whenever service to a customer is discontinued the valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator? OR	Satisfactory
<u>General Comment:</u> <i>The procedures for discontinuing service to a customer are located in Section 14, E Page 7.</i>		
[192.605(b) (1)][192.727(d)(2)]	Does the operator's procedure require that whenever service to a customer is discontinued a mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly? OR	Satisfactory
<u>General Comment:</u> <i>The procedures for discontinuing service to a customer are located in Section 14, E Page 7.</i>		
[192.605(b) (1)][192.727(d)(3)]	Does the operator's procedure require that whenever service to a customer is discontinued the customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed?	Satisfactory
<u>General Comment:</u> <i>The procedures for discontinuing service to a customer are located in Section 14, E Page 7.</i>		
[192.605(b) (1)][192.727(e)]	Does the operator's procedure require that if air is used for purging, the operator shall ensure that a combustible mixture is not present after purging?	Satisfactory
<u>General Comment:</u> <i>The procedures for the abandonment of main lines including the purging requirements are located in Section 14, G Page 8.</i>		
[192.605(b) (1)][192.727(f)]	Does the operator's procedure require that each abandoned vault be filled with a suitable compacted material?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not contain vaults meeting this requirement.</i>		
[192.605(b) (1)][192.727(g)]	Does the operator's procedure require that the operator must file reports upon abandoning underwater facilities crossing commercially navigable waterways, including offshore facilities?	Not Applicable

OPERATION, MAINTENANCE & CONSTRUCTION PROCEDURE CHECKLIST

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<u>General Comment:</u>		
Illinois Gas does not contain pipelines crossing over or under a navigable waterway.		
COMPRESSOR STATION PROCEDURES		Status
<u>Category Comment:</u>		
Illinois Gas does not contain compressor stations.		
[192.605(b)(7)][192.605(b)(6)]	Does the operator's procedure include provisions for isolating units or sections of pipe and for purging before returning to service?	Not Applicable
[192.605(b)(7)][192.605(b)(7)]	Does the process for start-up and shut-down have sufficient detail to ensure start-up and shut-down of compressor units in a manner designed to assure operation within the MAOP limits prescribed by this part, plus the build-up allowed for operation of pressure-limiting and control devices?	Not Applicable
[192.605(b)(7)][192.731]	Does the operator's procedure require inspection and testing for remote control shutdowns and pressure relieving devices at a minimum of 1 per yr/15 months), prompt repair or replacement?	Not Applicable
[192.605(b) (7)][192.731(b)]	Does the operator's procedure require when any defective or inadequate relief device is found that it must be promptly repaired or replaced?	Not Applicable
[192.605(b)(7)][192.735(a)]	Does the operator's procedure require storage of excess flammable or combustible materials at a safe distance from the compressor buildings?	Not Applicable
[192.605(b)(7)][192.735(b)]	Does the operator's procedure require above ground storage tanks to be protected according to NFPA #30; Amdt 192-103 pub. 06/09/06 eff. 07/10/06?	Not Applicable
[192.605(b)(7)][192.736(a)(1)]	Does the operator's procedure require that compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless: 50% of the upright side areas are permanently open? OR	Not Applicable
[192.605(b)(7)][192.736(a)(2)]	Does the operator's procedure require compressor buildings in a compressor station must have fixed gas detection and alarm systems (must be performance tested), unless: It is an unattended field compressor station of 1000 hp or less?	Not Applicable
PRESSURE LIMITING and REGULATING STATION PROCEDURES		Status
[192.605(b) (1)][192.739(a)(1)]	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is in good mechanical condition?	Satisfactory

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<u>General Comment:</u>		
<i>The procedures for the required inspection of each regulator station, relief device and its equipment are located in Section 10, B Pages 2-8. The procedures includes the inspection or tests to determine they are in good mechanical condition, have adequate capacity, set to function at the correct pressures and are protected from dirt, liquids and other contaminants.</i>		
[192.605(b) (1)][192.739(a)(2)]	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is adequate from the standpoint of capacity and reliability of operation for the service in which it is employed	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the required inspection of each regulator station, relief device and its equipment are located in Section 10, B Pages 2-8. The procedures includes the inspection or tests to determine they are in good mechanical condition, have adequate capacity, set to function at the correct pressures and are protected from dirt, liquids and other contaminants.</i>		
[192.605(b) (1)][192.739(a)(3)]	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is set to control or relieve at correct pressures consistent with .201(a), except for .739(b).	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the required inspection of each regulator station, relief device and its equipment are located in Section 10, B Pages 2-8. The procedures includes the inspection or tests to determine they are in good mechanical condition, have adequate capacity, set to function at the correct pressures and are protected from dirt, liquids and other contaminants.</i>		
[192.605(b) (1)][192.739(a)(4)]	Does the operator's procedure require inspection and testing for pressure limiting stations, relief devices, pressure regulating stations and equipment at a minimum of 1 per yr/15 months to determine if the equipment is properly installed and protected from dirt, liquids, and other conditions that may prevent proper operation.	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the required inspection of each regulator station, relief device and its equipment are located in Section 10, B Pages 2-8. The procedures includes the inspection or tests to determine they are in good mechanical condition, have adequate capacity, set to function at the correct pressures and are protected from dirt, liquids and other contaminants.</i>		
[192.605(b) (1)][192.739(b)]	Does the operator's procedure require steel pipelines whose MAOP is determined under §192.619(c), if the MAOP is 60 psi (414 kPa) gauge or more, the control or relief pressure limit is as required by .739 (b).	Satisfactory
<u>General Comment:</u>		
<i>The procedures for overpressure protection including the design requirements are located in Section 10, A Page 2.</i>		
[192.605(b) (1)][192.741(a)]	Does the operator's procedure require telemetering or recording pressure gauges to be in place to indicate gas pressure in the district that is supplied by more than one regulating station?	Satisfactory

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<u>General Comment:</u>		
<i>The procedures which specifies the requirement for recording devices installed on systems supplied by more than one district regulator station are located in Section 10, D Pages 8-9.</i>		
[192.605(b) (1)][192.741(b)]	Does the operator's procedure require the operator to determine the need in a distribution system supplied by only one district station?	Satisfactory
<u>General Comment:</u>		
<i>The procedures located in Section 10, D Page 9 includes the determination criteria for additional recording devices on a system supplied by one district regulator station.</i>		
[192.605(b) (1)][192.741(c)]	Does the operator's procedure require the operator to inspect equipment and take corrective measures when there are indications of abnormally high or low pressure?	Satisfactory
<u>General Comment:</u>		
<i>Illinois Gas maintains chart recorders and the procedures are located in Section 10, D Pages 8-9.</i>		
[192.605(b) (1)][192.743(a)]	Does the operator's procedure require that capacity must be consistent with .201(a) except for .739(b), and be determined at a minimum of 1 per yr/15 months?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for capacity reviews and calculations are located in Section 10, B Pages 2-3 and include the time intervals for inspection.</i>		
[192.605(b) (1)][192.743(b)]	If the capacities are calculated, Does the operator's procedure require them to be compared with the rated or experimentally determined relieving capacity of the device for the conditions under which it operates?	Satisfactory
<u>General Comment:</u>		
<i>The procedures located in Section 10, C Pages 3-8 include the requirements for capacity review including testing the device in place and review of calculations if parameters have not changed to cause the rated or experimentally relieving capacity to be insufficient.</i>		
[192.605(b) (1)][192.743(c)]	Does the operator's procedure require new or additional devices be installed to provide required capacity if insufficient capacity exists?	Satisfactory
<u>General Comment:</u>		
<i>The procedures located in Section 10, B Page 3 states if capacities are found to be insufficient new or additional facilities must be installed.</i>		
VALVE AND VAULT MAINTENANCE PROCEDURES		Status
[192.605(b) (1)][192.745(a)]	Does the operator's procedure require that each transmission valve that might be required during an emergency is inspected and partially operated at a minimum of 1 per year/15 months?	Not Applicable
<u>General Comment:</u>		
<i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (1)][192.745(b)]	Does the operator's procedure require that prompt remedial action will be taken to correct any	Not Applicable

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	transmission valve found inoperable, unless the operator designates an alternative valve?	
<u>General Comment:</u> Illinois Gas does not operate or maintain transmission pipelines.		
[192.605(b) (1)][192.747(a)]	Does the operator's procedure require that each distribution valve that might be required during an emergency is checked and serviced at a minimum of 1 per year/15 months?	Satisfactory
<u>General Comment:</u> The procedures for valve inspection and maintenance are located in Section 9 Pages 2-5 and includes the time intervals for inspection, maintenance, remedial action to correct deficiencies and the designation of additional valves when deficiencies are found.		
[192.605(b) (1)][192.747(b)]	Does the operator's procedure require that prompt remedial action will be taken to correct any valve found inoperable, unless the operator designates an alternative valve?	Satisfactory
<u>General Comment:</u> The procedures for valve inspection and maintenance are located in Section 9 Pages 2-5 and includes the time intervals for inspection, maintenance, remedial action to correct deficiencies and the designation of additional valves when deficiencies are found.		
[192.605(b) (1)][192.749]	Does the operator's procedure require that vaults greater than 200 cubic feet must be inspected at a minimum of 1 per year/15 months?	Not Applicable
<u>General Comment:</u> Illinois Gas does not contain vaults meeting this requirement.		
[192.13(c)][192.179(a)]	Does the operator's procedure specify the minimum spacing requirements for transmission sectionalizing block valves?	Not Applicable
<u>General Comment:</u> Illinois Gas does not operate or maintain transmission pipelines.		
[192.13(c)][192.179(c)]	Does the operator's procedure require between each transmission main line valve to have a blowdown valve with enough capacity to allow for as rapid blow down as practicable?	Not Applicable
<u>General Comment:</u> Illinois Gas does not operate or maintain transmission pipelines.		
PREVENTION of ACCIDENTAL IGNITION PROCEDURES		Status
[192.605(b) (1)][192.751(a)]	Does the operator's procedure require that when a hazardous amount of gas is being vented into open air, each potential source of ignition must be removed from the area and a fire extinguisher must be provided?	Satisfactory

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<u>General Comment:</u>		
<i>The procedures for the prevention of accidental ignition are located in Section 14, B Pages 2-5 and include purging activities, venting requirements, safety precautions and additional considerations for work areas and equipment.</i>		
[192.605(b) (1)][192.751(b)]	Does the operator's procedure prohibit gas or electric welding or cutting on pipe or on pipe components that contain a combustible mixture of gas and air in the area of work?	Satisfactory
<u>General Comment:</u>		
<i>The procedures prohibiting the use of welding, tools and equipment when a combustible mixture is present are located in Section 14, A Page 2.</i>		
[192.605(b) (1)][192.751(c)]	Does the operator's procedure require that warning signs will be posted, where appropriate?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for posting warning signs where appropriate are located in Section 14, B Page 4 and Section 16, A Page 3 which includes additional requirements for the prevention of accidental ignition. The procedures include safety precautions for employees, pedestrians, motorists and traffic control policies.</i>		
CAULKED BELL AND SPIGOT JOINTS PROCEDURES		Status
<u>Category Comment:</u>		
<i>Illinois Gas distribution system does not contain cast iron pipelines.</i>		
[192.605(b) (1)][192.753(a)]	Does the operator's procedure require that each cast iron caulked bell and spigot joint that is subject to pressures of more than 25 psi gage must be sealed with mechanical clamp, or sealed with material/device which does not reduce flexibility, permanently bonds, and seals and bonds as prescribed in §192.753(a)(2)(iii)?	Not Applicable
[192.605(b) (1)][192.753(b)]	Does the operator's procedure require that when cast iron bell and spigot subject to 25 psig or less, joints, when exposed for any reason, must be sealed by means other than caulking?	Not Applicable
PROTECTING CAST-IRON PIPELINE PROCEDURES		Status
<u>Category Comment:</u>		
<i>Illinois Gas distribution system does not contain cast iron pipelines.</i>		
[192.605(b) (1)][192.755(a)(1)]	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from vibrations from heavy construction equipment, trains, trucks, buses or blasting?	Not Applicable
[192.605(b) (1)][192.755(a)(2)]	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from impact forces by	Not Applicable

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	vehicles?	
[192.605(b) (1)][192.755(a)(3)]	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from earth movement?	Not Applicable
[192.605(b) (1)][192.755(a)(4)]	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from apparent future excavations near the pipeline?	Not Applicable
[192.605(b) (1)][192.755(a)(5)]	Does the operator's procedure require that when the operator has knowledge that the support for a segment of a buried cast-iron pipeline is disturbed must provide protection from other foreseeable outside forces which might subject the segment of pipeline to a bending stress?	Not Applicable
[192.605(b) (1)][192.755(b)]	Does the operator's procedure require the operator to as soon as feasible; provide permanent protection for the disturbed segment from external loads?	Not Applicable
WELDING AND WELD DEFECT REPAIR/REMOVAL PROCEDURES		Status
[192.13(c)][192.225(a)]	Does the operator's procedure require their welding procedures to be qualified under Section 5 of API 1104 or Section IX of ASME Boiler and Pressure Code by destructive test?	Satisfactory
<u>General Comment:</u> <i>The requirements stating welding procedures will be qualified under API 1104 Section 5 are located in Section 17, E Page 14.</i>		
[192.13(c)][192.225(b)]	Does the operator's procedure require each welding procedure to be recorded in detail, including the results of the qualifying tests?	Satisfactory
<u>General Comment:</u> <i>The procedures stipulating the welding procedures will be recorded in detail are located in Section 17, A Page 3.</i>		
[192.13(c)][192.227(a)]	Does the operator's procedure require their welders be qualified Section 6 of API 1104 or Section IX of ASME Boiler and Pressure Code?	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods in accordance with API 1104 are located in Section 17, B Pages 3-4.</i>		
[192.13(c)][192.227(b)]	Does the operator's procedure require their welders be qualified under Section I of Appendix C to weld on lines that operate at <20% SMYS?	Satisfactory
<u>General Comment:</u>		

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<i>The procedures for welder qualification methods in accordance with Appendix C are located in Section 17, B Pages 3-4.</i>		
[192.13(c)][192.229(a)]	Does the operator's procedure require a welder to successfully complete a destructive test to weld on compressor station piping and components?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not contain compressor stations.</i>		
[192.13(c)][192.229(b)]	Does the operator's procedure require no welder may weld with a particular welding process unless, within the preceding 6 months, he has engaged in welding with that process?	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods are located in Section 17, B Pages 3-4 and include the limitations of qualification under API 1104.</i>		
[192.13(c)][192.229(c)(1)]	Does the operator's procedure require a welder qualified under .227(a) may not weld on pipe that operates at > 20% SMYS unless within the preceding 6 calendar months the welder has had one weld tested and found acceptable under the sections 6 or 9 of API Standard 1104?	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods are located in Section 17, B Pages 3-4 and include the limitations of qualification under API 1104.</i>		
[192.13(c)][192.229(c)(2)]	Does the operator's procedure require a welder qualified under .227(a) may not weld on pipe that operates at < 20% SMYS unless the welder is tested in accordance with .229(c) (1) or requalifies under .229(d) (1) or (d) (2)?	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods are located in Section 17, B Pages 3-4 and include the limitations of qualification under API 1104.</i>		
[192.13(c)][192.229(d)(1)]	Does the operator's procedure require that an Appendix C welder be re-qualified within 1 year/15 months? OR	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods are located in Section 17, B Pages 3-4 and include the limitations of qualification under Appendix C.</i>		
[192.13(c)][192.229(d)(2)]	Does the operator's procedure require that an Appendix C welder be re-qualified within 7 1/2 months but at least twice per calendar year and has met the requirements of .229(d)(i)(ii)?	Satisfactory
<u>General Comment:</u> <i>The procedures for welder qualification methods are located in Section 17, B Pages 3-4 and include the limitations of qualification under Appendix C.</i>		
[192.13(c)][192.231]	Does the operator's procedure require that welding operations must be protected from weather conditions	Satisfactory

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	that would impair the quality of the completed weld?	
<u>General Comment:</u> <i>The procedure addressing weather conditions is located in Section 17, G Page 43.</i>		
[192.13(c)][192.233]	Does the operator's procedure require that miter joints be made in accordance with this section?	Satisfactory
<u>General Comment:</u> <i>The procedures for miter joints and their limitations are located in Section 17, A Page 3.</i>		
[192.13(c)][192.235]	Does the operator's procedure require proper welding surface preparation and joint alignment?	Satisfactory
<u>General Comment:</u> <i>The procedures that address joint alignment and surface preparation are located in Section 17, G Pages 40-43.</i>		
[192.13(c)][192.241(a)(1)]	Does the operator's procedure require that visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure compliance with the welding procedure?	Satisfactory
<u>General Comment:</u> <i>The procedures for the inspection of welds are located in Section 17, H Pages 43-44 which includes the visual examination by qualified individuals in accordance with Section 9 of API 1104.</i>		
[192.13(c)][192.241(a)(2)]	Does the operator's procedure require that visual inspection must be conducted by an individual qualified by appropriate training and experience to ensure that the weld is acceptable in accordance with Section 9 of API 1104?	Satisfactory
<u>General Comment:</u> <i>The procedures for the inspection of welds are located in Section 17, H Pages 43-44 which includes the visual examination by qualified individuals in accordance with Section 9 of API 1104.</i>		
[192.13(c)][192.241(b)(1)]	Does the operator's procedure require that welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192.243, except welds that are visually inspected and approved by a qualified welding inspector if the nominal pipe diameter is less than 6 inches? OR	Satisfactory
<u>General Comment:</u> <i>The procedures for the inspection of welds are located in Section 17, H Pages 43-44 which includes the requirements for nondestructive testing.</i>		
[192.13(c)][192.241(b)(2)]	Does the operator's procedure require that welds on pipelines to be operated at 20% or more of SMYS must be nondestructively tested in accordance with 192.243, except a pipeline that is to operate at a pressure that produces a hoop stress of less than 40% of SMYS and the welds are so limited in number that nondestructive testing is impractical?	Satisfactory

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<u>General Comment:</u>		
<i>The procedures for the inspection of welds are located in Section 17, H Pages 43-44 which includes the requirements for nondestructive testing.</i>		
[192.13(c)][192.241(c)]	Does the operator's procedure require that the acceptability of a weld, which is based on nondestructively tested or visually inspected, is determined according to the standards in Section 9 of API Standard 1104?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the inspection of welds are located in Section 17, H Pages 43-44 which includes the requirements for nondestructive testing.</i>		
[192.13(c)][192.245(a)]	Does the operator's procedure require that each weld that is unacceptable must be removed or repaired?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the repair of welds are located in Section 17, I Pages 44-45 and include the repair and replacement requirements which address the removal and repair of welds.</i>		
[192.13(c)][192.245(b)]	Does the operator's procedure require that each weld that is repaired must have the defect removed down to sound metal, and the segment to be repaired must be preheated if conditions exist which would adversely affect the quality of the weld repair?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the repair of welds are located in Section 17, I Pages 44-45 and include the repair and replacement requirements which address the removal and repair of welds.</i>		
[192.13(c)][192.245(c)]	Does the operator's procedure require that repair of a crack or any other defect in a previously repaired area must be in accordance with a written weld repair procedure qualified under §192.225?	Satisfactory
<u>General Comment:</u>		
<i>The procedures for the repair of welds are located in Section 17, I Pages 44-45 and include the repair and replacement requirements which address the removal and repair of welds.</i>		
Discuss with the operator regarding the use of a low hydrogen process when welding a sleeve for repair.		Yes
<u>General Comment:</u>		
<i>Staff discussed the low hydrogen process and reviewed Section 17, I Pages 44-45 and Section 17, G Page 43 with the operator.</i>		
TRANSMISSION NONDESTRUCTIVE TESTING PROCEDURES		Status
<u>Category Comment:</u>		
<i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.13(c)][192.243(a)]	Does the operator's procedure require that nondestructive testing of welds must be performed by any process, other than trepanning, that clearly indicates defects that may affect the integrity of the weld?	Not Applicable

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[192.13(c)][192.243(b)(1)]	Does the operator's procedure require that nondestructive testing of welds must be performed in accordance with written procedures?	Not Applicable
[192.13(c)][192.243(b)(2)]	Does the operator's procedure require that nondestructive testing of welds must be performed by persons who have been trained and qualified in the established procedures and with the equipment employed in testing?	Not Applicable
[192.13(c)][192.243(c)]	Does the operator's procedure require that procedures must be established for the proper interpretation of each nondestructive test of a weld to ensure the acceptability of the weld under §192.241(c)?	Not Applicable
[192.13(c)][192.243(d)(1)]	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference in Class 1 locations at least 10 percent?	Not Applicable
[192.13(c)][192.243(d)(2)]	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference in Class 2 locations at least 15 percent?	Not Applicable
[192.13(c)][192.243(d)(3)]	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference in Class 3 and Class 4 locations, at crossings of major or navigable rivers, offshore, and within railroad or public highway rights-of-way, including tunnels, bridges, and overhead road crossings, 100% unless impracticable, then 90%?	Not Applicable
[192.13(c)][192.243(d)(4)]	When nondestructive testing is required under §192.241(b), does the operator's procedure require that the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over their entire circumference at pipeline tie-ins, 100 %?	Not Applicable
[192.13(c)][192.243(e)]	Does the operator's procedure require that a sample of each welder's work for each day must be nondestructively tested, when nondestructive testing is required under §192.241(b), except for a welder whose work is isolated from the principal welding activity?	Not Applicable
[192.13(c)][192.243(f)]	Does the operator's procedure require that the	Not Applicable

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	operator must retain, for the life of the pipeline, a record showing by mile post, engineering station, or by geographic feature, the number of welds nondestructively tested, the number of welds rejected, and the disposition of the rejected welds?	
JOINING of PIPELINE MATERIALS OTHER THAN BY WELDING PROCEDURES		Status
[192.273(b)][192.283(b)]	Does the operator have qualified joining procedures for mechanical joints?	Satisfactory
<u>General Comment:</u> <i>The procedures for mechanical joints are located in Section 16, F Page 15 and Appendix 1.</i>		
[192.281(a)][192.281(a)]	Does the operator's procedure prohibit joining plastic pipe by threaded or miter joint?	Satisfactory
<u>General Comment:</u> <i>The procedure which prohibits plastic miter and/ or threaded joints is located in Section 16, F Page 12.</i>		
[192.273(b)][192.283(a)]	Does the operator have qualified joining procedures for heat fusion, solvent cement, and adhesive joints?	Satisfactory
<u>General Comment:</u> <i>The plastic pipe joining procedures are located in Section 16, F Pages 12-15.</i>		
[192.273(b)][192.283(c)]	Does the operator's procedure require that persons making and inspecting joints must have available a copy of the qualified joining procedure?	Satisfactory
<u>General Comment:</u> <i>The procedure for plastic joining qualification is located in Section 16, G Pages 15-16.</i>		
[192.273(b)][192.285(a)]	Does the operator's procedure require that person making joints with plastic pipe must be qualified?	Satisfactory
<u>General Comment:</u> <i>The procedure located in Section 16, G Page 15 states that no person may join plastic pipe unless properly trained and qualified under the procedure outlined in this plan.</i>		
[192.273(b)][192.285(b)(1)]	Does the operator's procedure require the specimen joint to be visually examined during and after assembly or joining?	Satisfactory
<u>General Comment:</u> <i>The procedure located in Section 16, G Page 16 includes visual examination.</i>		
[192.273(b)][192.285(b)(2)]	Does the operator have procedures requiring when a specimen joint used for personnel qualification in the case of a heat fusion, solvent cement, or adhesive joint be tested under any one of the qualified test methods?	Satisfactory
<u>General Comment:</u>		

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<i>The procedure for the qualified test is located in Section 16, G Page 16.</i>		
[192.273(b)][192.285(c)]	Does the operator have procedures that require a person to be requalified if during any 12 month period that person does not make any joints or has 3 joints or 3% of joints, whichever is greater, found to be unacceptable?	Satisfactory
<u>General Comment:</u> <i>The procedure for the qualified test is located in Section 16, G Page 16.</i>		
[192.273(b)][192.285(d)]	Does the operator have a method to determine that each person making joints on plastic pipelines is qualified?	Satisfactory
<u>General Comment:</u> <i>The procedure located in Section 16, G Pages 15-16 provides a method of determining qualification.</i>		
[192.273(b)][192.287]	Does the operator's procedure require that person inspecting plastic pipe joints must be qualified by appropriate training or experience to evaluate plastic pipe joints?	Satisfactory
<u>General Comment:</u> <i>The procedures are located in Section 16, G Pages 15-16.</i>		
CORROSION CONTROL PROCEDURES		Status
[192.605(b) (2)][192.453]	Does the operator's procedure require that corrosion control procedures required by .605(b)(2), including those for the design, installation, operation, and maintenance of cathodic protection systems, must be carried out by, or under the direction of, a person qualified in pipeline corrosion control methods?	Satisfactory
<u>General Comment:</u> <i>The procedure requiring the design and maintenance of the cathodic protection system be performed by a qualified individuals is located in Section 8, A Page 2.</i>		
[192.605(b) (2)][192.455(a)]	Does the operator's procedure require that pipelines installed after July 31, 1971, buried segments must be externally coated and cathodically protected within one year after completion of construction? (see exceptions in code)	Satisfactory
<u>General Comment:</u> <i>The procedure located in Section 8, A Page 2 requires new pipelines be cathodically protected within one year of installation.</i>		
[192.605(b) (2)][192.455(e)]	Does the operator's procedure require that aluminum may not be installed in a buried or submerged pipeline if that aluminum is exposed to an environment with a natural pH in excess of 8, unless tests or experience indicate its suitability in the particular environment involved?	Not Applicable

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<u>General Comment:</u> <i>Illinois Gas does not install aluminum pipelines.</i>		
[192.605(b) (2)][192.457(a)]	Does the operator's procedure require that all effectively coated steel transmission pipelines installed prior to August 1, 1971, must be cathodically protected?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not install or maintain transmission pipelines.</i>		
[192.605(b) (2)][192.457(b)]	Does the operator's procedure require that cathodic protection must be provided in areas of active corrosion for bare or ineffectively coated transmission lines, and bare or coated compressor station piping, regulator station, meter station piping, and (except for cast iron or ductile iron) bare or coated distribution lines installed before August 1, 1971?	Satisfactory
<u>General Comment:</u> <i>The procedures for addressing areas of active corrosion on bare pipelines are located in Section 8, C Page 6.</i>		
[192.605(b) (2)][192.479(b)]	Does the operator's procedure require coating material to be suitable for the prevention of atmospheric corrosion?	Satisfactory
<u>General Comment:</u> <i>The procedures requiring that coatings be suitable to prevent atmospheric corrosion are located in Section 8, E Page 7.</i>		
[192.605(b) (2)][192.459]	Does the operator's procedure require that whenever an operator has knowledge that any portion of a buried pipeline is exposed, the exposed portion must be examined for evidence of external corrosion if the pipe is bare, or if the coating is deteriorated and remedial actions taken when required?	Satisfactory
<u>General Comment:</u> <i>The procedures located in Section 8, D Page 7 includes the requirements for buried pipe examination.</i>		
[192.605(b) (2)][192.461(a), 192.461(b)]	Does the operator's procedure address the external protective coating requirements of the regulations?	Satisfactory
<u>General Comment:</u> <i>The procedures for coating application are located in Section 8, I Page 12.</i>		
[192.605(b) (2)][192.463]	Does the operator's procedure require cathodic protection levels that comply with one or more applicable criteria contained in Appendix D?	Satisfactory
<u>General Comment:</u> <i>The procedures for meeting the requirements contained in Appendix D are located in Section 8, B Page 2.</i>		

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[192.605(b) (2)][192.465(a)]	Does the operator's procedure require pipe-to-soil monitoring at a minimum of 1 per year/15 months and for separately protected short sections of main and transmission main or separately protected service lines require monitoring of 10% of the system to be surveyed annually?	Satisfactory
<u>General Comment:</u> <i>The procedures requiring pipe-to-soil readings and time intervals for inspection are located in Section 8, D Page 7.</i>		
[192.605(b) (2)][192.465(b)]	Does the operator's procedure require rectifier monitoring be conducted at a minimum of 6 per year/2 1/2 months?	Satisfactory
<u>General Comment:</u> <i>The procedures for monitoring intervals for rectifiers are located in Section 8, C Page 4.</i>		
[192.605(b) (2)][192.465(c)]	Does the operator's procedure require critical interference bond monitoring be conducted at a minimum of 6 per year/2 1/2 months and non-critical bond monitoring be conducted at a minimum of 1 per year/15 months?	Satisfactory
<u>General Comment:</u> <i>The procedures for monitoring intervals for critical and non-critical interference bonds are located in Section 8, C Page 4.</i>		
[192.605(b) (2)][192.465(d)]	Does the operator's procedure require that prompt remedial action to correct any deficiencies indicated by the monitoring?	Satisfactory
<u>General Comment:</u> <i>The procedures for prompt remedial action are located in Section 8, C Pages 2-4 and includes the time intervals for remedial action indicated by monitoring.</i>		
[192.605(b) (2)][192.465(e)]	Does the operator's procedure require electrical surveys on bare and unprotected lines at a minimum of once per 3 years/39 months and must cathodically protect active corrosion areas, if found?	Satisfactory
<u>General Comment:</u> <i>The procedures for bare unprotected pipe are located in Section 8, C Page 3.</i>		
[192.605(b) (2)][192.467(a)]	Does the operator's procedure require that each buried or submerged pipeline be electrically isolated from other underground metallic structures, unless interconnected?	Satisfactory
<u>General Comment:</u> <i>The procedures for electrical isolation are located in Section 8, C Page 6.</i>		
[192.605(b) (2)][192.467(b)]	Does the operator's procedure require that one or more insulating devices must be installed where electrical isolation of a portion of a pipeline is necessary to facilitate the application of corrosion	Satisfactory

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	control?	
<u>General Comment:</u> <i>The procedures for electrical isolation are located in Section 8, C Page 6.</i>		
[192.605(b) (2)][192.467(c)]	Does the operator's procedure require that each pipeline must be electrically isolated from metallic casings that are a part of the underground system?	Satisfactory
<u>General Comment:</u> <i>The procedure addressing isolation at casings is located in Section 8, C Page 3.</i>		
[192.605(b) (2)][192.467(d)]	Does the operator's procedure require that inspection and electrical tests must be made to assure that electrical isolation is adequate?	Satisfactory
<u>General Comment:</u> <i>The procedures for electrical isolation are located in Section 8, C Page 6.</i>		
[192.605(b) (2)][192.469]	Does the operator's procedure define how a sufficient number of test stations or contact points for electrical measurement are established to determine the adequacy of cathodic protection?	Satisfactory
<u>General Comment:</u> <i>The procedure which determines if additional test stations will be added or subtracted is located in Section 8, C Page 3.</i>		
[192.605(b) (2)][192.471]	Does the operator's procedure define how test leads will be installed and maintained?	Satisfactory
<u>General Comment:</u> <i>The procedure which specifies how test leads will be installed and maintained is located in Section 8, C Pages 3-4.</i>		
[192.605(b) (2)][192.473(a)]	Does the operator's procedure require the determination of how interference currents are affecting the cathodic protection system?	Satisfactory
<u>General Comment:</u> <i>The procedure that address interference currents is located in Section 8, C Page 3.</i>		
[192.605(b) (2)][192.473(b)]	Does the operator's procedure require the determination that impressed current type cathodic protection system or galvanic anode system are designed and installed to minimize any adverse effects on existing adjacent underground metallic structures?	Satisfactory
<u>General Comment:</u> <i>The procedures located in Section 8 Pages 2-6 include the design for minimizing the adverse effect on underground metallic structures including the effect on interference currents.</i>		
[192.605(b) (2)][192.475(a)]	Does the operator's procedure require that if corrosive gas is transported by pipeline, the corrosive effect of the gas on the pipeline must be investigated and steps	Not Applicable

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	taken to minimize internal corrosion?	
<u>General Comment:</u> Illinois Gas does not transport corrosive gas by pipeline.		
[192.605(b) (2)][192.475(b)]	Does the operator's procedure require that whenever any pipe is removed from a pipeline for any reason, the internal surface must be inspected for evidence of corrosion?	Satisfactory
<u>General Comment:</u> The procedures for internal corrosion are located in Section 8, F Pages 9-10 and includes the inspection and investigating measures if corrosion is found.		
[192.605(b) (2)][192.475(b)(1)]	Does the operator's procedure require that when internal corrosion is observed that the adjacent pipe will be inspected for internal corrosion?	Satisfactory
<u>General Comment:</u> The procedures for internal corrosion are located in Section 8, F Pages 9-10 and includes the inspection and investigating measures if corrosion is found.		
[192.605(b) (2)][192.475(b)(2)]	Does the operator's procedure require replacement of pipe when internal corrosion is observed to the extent required by the applicable paragraphs of §§192.485, 192.487, or 192,489?	Satisfactory
<u>General Comment:</u> The procedures for internal corrosion are located in Section 8, F Pages 9-10 and includes the inspection and investigating measures if corrosion is found.		
[192.605(b) (2)][192.475(b)(3)]	Does the operator's procedure require the steps that must be taken when internal corrosion is discovered?	Satisfactory
<u>General Comment:</u> The procedures for internal corrosion are located in Section 8, F Pages 9-10 and includes the inspection and investigating measures if corrosion is found.		
[192.605(b) (2)][192.476(a)]	Does the operator's procedure require features incorporated into its design and construction of transmission lines installed after May 23, 2007, to reduce internal corrosion?	Not Applicable
<u>General Comment:</u> Illinois Gas does not operate or maintain transmission pipelines.		
[192.605(b) (2)][192.476(c)]	Does the operator's procedure require an evaluation of the impact of internal corrosion to the downstream portion of the existing pipeline when a transmission pipeline configuration is changed to provide for removal of liquids and monitoring of internal corrosion as appropriate?	Not Applicable
<u>General Comment:</u> Illinois Gas does not transport corrosive gas by pipeline.		
[192.605(b) (2)][192.477]	Does the operator's procedure require, if corrosive gas	Not Applicable

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	is being transported, the use of internal corrosion control coupons, or other suitable means of monitoring at a minimum of 2 per year/7 1/2 months?	
<u>General Comment:</u> <i>Illinois Gas does not transport corrosive gas by pipeline.</i>		
[192.605(b) (2)][192.479(a)]	Does the operator's procedure require each exposed pipe, including soil-to-air interface, to be cleaned and coated?	Satisfactory
<u>General Comment:</u> <i>The procedure for coating application is located in Section 8, I Page 12.</i>		
[192.605(b) (2)][192.481(a)]	Does the operator's procedure require atmospheric corrosion control monitoring at a minimum of 1 per 3 years/39 months?	Satisfactory
<u>General Comment:</u> <i>The procedures for atmospheric corrosion control and monitoring are located in Section 8, E Pages 7-8.</i>		
[192.605(b) (2)][192.481(b)]	Does the operator's procedure require particular attention to atmospheric corrosion on exposed pipe at soil-to-air interfaces, under thermal insulation, under disbonded coatings, at pipe supports, in splash zones, at deck penetrations, and in spans over water?	Satisfactory
<u>General Comment:</u> <i>The procedures for atmospheric corrosion control and monitoring are located in Section 8, E Pages 7-8.</i>		
[192.605(b) (2)][192.481(c)]	Does the operator's procedure require protection be provided if atmospheric corrosion is discovered?	Satisfactory
<u>General Comment:</u> <i>The procedures for atmospheric corrosion control and monitoring are located in Section 8, E Pages 7-8.</i>		
[192.605(b) (2)][192.483]	Does the operator's procedure require that replacement pipe be coated and cathodically protected?	Satisfactory
<u>General Comment:</u> <i>The procedures for the replacement of pipe meeting the coating and cathodic protection requirements are listed in Section 8, A Page 2 and the Repair Section 15, B Page 2.</i>		
[192.605(b) (2)][192.485(a)]	Does the operator have procedures to replace or repair transmission pipe, or reduce the operating pressure if general corrosion has reduced the wall thickness?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (2)][192.485(b)]	Does the operator have procedures to replace or repair transmission pipe, or reduce the operating	Not Applicable

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	pressure if localized corrosion has reduced the wall thickness?	
General Comment: <i>Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (2)][192.485(c)]	Does the operator's procedure require the use of Rstreng or B-31G to determine the remaining wall strength?	Satisfactory
General Comment: <i>The procedure for utilizing B31G is located in Section 8, F Page 9. Illinois Gas does not operate or maintain transmission pipelines.</i>		
[192.605(b) (2)][192.487(a)]	Does the operator have procedures to replace or repair distribution pipe if general corrosion has reduced the wall thickness?	Satisfactory
General Comment: <i>The procedures for measuring wall thickness due to metal loss are located in Section 8, C Pages 2-6 and I, Page 9. The procedures include the criteria to determine if the pipe is repaired or replaced.</i>		
[192.605(b) (2)][192.487(b)]	Does the operator have procedures to replace or repair distribution pipe if localized corrosion has reduced the wall thickness?	Satisfactory
General Comment: <i>The procedures for measuring wall thickness due to metal loss are located in Section 8, C Pages 2-6 and I, Page 9. The procedures include the criteria to determine if the pipe is repaired or replaced.</i>		
[192.605(b) (2)][192.489(a)]	Does the operator have procedures to replace pipe if general graphitization is discovered on cast or ductile iron pipe?	Not Applicable
General Comment: <i>Illinois Gas distribution system does not contain cast iron pipelines.</i>		
[192.605(b) (2)][192.489(b)]	Does the operator have procedures to repair or replace pipe or seal by internal sealing methods when localized graphitization is discovered on cast or ductile iron pipe?	Not Applicable
General Comment: <i>Illinois Gas distribution system does not contain cast iron pipelines.</i>		
[192.605(b) (2)][192.491(a)]	Does the operator have procedures requiring the retention of records and maps to show the location of cathodically protected pipe, facilities, anodes, and bonded structures?	Satisfactory
General Comment: <i>The procedure for corrosion control records is located in Section 8, G Page 10 and includes the retention of records related to the location of test stations, anodes, cathodic protection test and surveys for the life of the system.</i>		
[192.605(b) (2)][192.491(b)]	Does the operator have procedures requiring the retention of records under .491(a) for the life of the	Satisfactory

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	pipeline?	
<u>General Comment:</u> <i>The procedure for corrosion control records is located in Section 8, G Page 10 and includes the retention of records related to the location of test stations, anodes, cathodic protection test and surveys for the life of the system.</i>		
[192.605(b) (2)][192.491(c)]	Does the operator have procedures that require the retention of testing, surveys, or inspections records which detail the adequacy of the corrosion control measures for a minimum of 5 years?	Satisfactory
<u>General Comment:</u> <i>The procedure for corrosion control records is located in Section 8, G Page 10 and includes the retention of records related to the location of test stations, anodes, cathodic protection test and surveys for the life of the system.</i>		
UPRATING PROCEDURES		Status
<u>Category Comment:</u> <i>Illinois Gas does not have plans to uprate any part of the system. If plans are made in the future a detailed plan will be developed by the gas engineer in accordance with Part 192, Subpart K. The statement is located in Section 6, C Page 3.</i>		
[192.13(c)][192.553(a)(1)]	Does the operator's procedure include uprating requirements which meet Subpart K and include pressure raised in increments?	Not Applicable
[192.13(c)][192.553(a)(1)]	Does the operator's procedure include uprating requirements which meet Subpart K and include section checked before further pressure increase?	Not Applicable
[192.13(c)][192.553(a)(2)]	Does the operator's procedure include uprating requirements which meet Subpart K and include hazardous leaks repaired between increments?	Not Applicable
[192.13(c)][192.553(b)]	Does the operator's procedure include uprating requirements which meet Subpart K and include records kept for life of system?	Not Applicable
TRAINING		Status
<u>Category Comment:</u> <i>The training procedures are located in Section 18 and include the review of work done by employees and modification of procedures when deficiencies are found. The procedure includes training provided by utility consultants, state sponsored seminars, vendor training, tailgate meetings and training provided by management.</i>		
[520.10(a)(1)]	Does the operator's procedure contain adequate descriptions of types of training each job classification requires, including those of field foreman, field crew leaders, leak inspectors, new construction inspectors, servicemen and corrosion technicians and/or equivalent classifications?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas does not maintain separate job classifications.</i>		
[520.10(a)(2)]	Does the operator's procedure include scheduling of verbal instruction and/or on-the-job training for each	Not Applicable

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	job classification?	
<u>General Comment:</u> <i>Illinois Gas does not maintain separate job classifications.</i>		
[520.10(a)(3)]	Does the operator's procedure include provisions for evaluating the performance of personnel to assure their competency in performing the work assigned to them?	Satisfactory
[520.10(a)(4)]	Does the operator's procedure include subject matter relating to recognition of potential hazards, and actions to be taken toward prevention of accidents?	Satisfactory
[520.10(a)(5)]	Are the operator's procedures periodically updated to include new materials, new methods of operation and installation, and changes in general procedures?	Satisfactory
[520.10(a)(6)]	Are the operator's procedures made a part of the gas system's operation, inspection and maintenance plan, and filed with the Commission?	Satisfactory
[520.10(b)]	Does the operator's procedure require that the operator/personnel (municipal/master meter) attend regularly scheduled instructional courses held by utility companies or participate in courses such as the IGT Gas Distribution Home Study Course, or programs developed and presented by community colleges, vocational schools, universities, consultants or other recognized gas distribution oriented agencies?	Not Applicable
<u>General Comment:</u> <i>Illinois Gas is not a municipal or master meter operator.</i>		
[520.10(a)]	Does the operator's procedure specify methods to be used for training, including frequency and subject matter of training?	Satisfactory

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